Bruhat Bangalore Mahanagara Palike
Executive Engineer
Yelhanka Division

DETAILED ESTIMATE

NAME OF WORK: **Improvements to drains and footpath coverings to SWD drains at GKVK layout in ward no 04**

PROJECT COST: **54.00 Lakhs**

Mecadez Core Technologies Private limited

Project Management and Consultancy Services

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BANGALORE MAHANAGARA PALIKE

Executive Engineer-Yelhanka Division

Detailed Estimate

Name of Work:Improvements to drains and footpath coverings to SWD drains at GKVK layout in ward no 04

Sl. No	Particulars	Unit / Rate	Estimate Amount : 5400000.00						
			Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
					CIVIL WORKS				
1	KSRRB 300-1. **Earthwork excavation by manual means** in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 **(Page No141., I.No.19.1 of KPWD S.R 2015-16).**								
		Cum							
	SWD 15th A Cross								
	Desilting								
	Ch: (0 - 167)		1	167	1.40	1.500	350.70		
	New SWD								
	Ch: (167 - 310)		1	143	2.10	1.500	450.45		
	New Culverts								
			1	10	2.10	1.500	31.50		
							832.65	177.88	148111.78
2	KSRB 4-1.2 : Providing and laying in **position plain cement concrete of mix1:3:6** with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregtes @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted,in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2 **(Page No 12., I.No.4.2 of KPWD S.R 2015-16).**								
		Cum							
	SWD 15th A Cross								
	New SWD								
	Ch: (167 - 310)		1	143	2.10	0.100	30.03		
	New Culverts								
			1	10	2.10	0.100	2.10		
	New Culverts								
			1	10	2.10	0.100	2.10		
							34.23	5236.92	179259.77
3	**KSRB 5.2-3. Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6,** stone hammered dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **(Page No 23., I.No.5.6 of KPWD S.R 2015-16).**								
		Cum							
	SWD 15th A Cross								
	SWD		2	110	0.45	0.450	44.55		
	Ch: (57 - 167)								
	New SWD		2	143	0.60	1.500	257.40		
	Ch: (167 - 310)								
	New Culverts								

Sl. No	Particulars	Unit / Rate	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
			2	10	0.60	1.800	21.60		
							323.55	4135.32	1337982.79
4	**1 KSRB 15.1.1 Providing flush pointing** to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. **(Page No 112., I.No.15.1 of KPWD S.R 2015-16).**								
		Sqm							
	SWD 15th A Cross								
	SWD								
	Ch: (57 - 167)		2	110		0.450	99.00		
	New SWD								
	Ch: (167 - 310)		2	143		1.500	429.00		
	New Culverts								
			2	10		1.800	36.00		
							564.00	99.36	56039.04
5	**Providing precast slab of 250mm thick** including cost of all materials, labour, curing,transportation,loading ,unloading,etc.,complete as per the direction of engineer in charge- **Data rate**								
		Sqm							
	SWD 15th A Cross								
	SWD								
	Ch: (0 - 167)		1	167	2.10		350.70		
	New SWD								
	Ch: (167 - 310)		1	143	2.10		300.30		
	New Culverts								
			1	10	2.10		21.00		
							672.00	5111.00	3434592.00
6	**KSRB 4-1.6 ;** Providing and laying in position plain cement concrete of mix **1:2:4 with cement @ 240kgs, with 20mm** and down size graded granite metal coarse aggregates @0.878cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 **(Page No 12., I.No.4.6 of KPWD S.R 2015-16).**								
		Sqm							
	Coping concrete								

Sl. No	Particulars	Unit / Rate	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
	SWD 15th A Cross								
	Ch: (0 - 167)								
	New SWD		2	167	0.45	0.100	15.03		
	Ch: (167 - 310)								
			2	143	0.60	0.100	17.16		
							32.19	5490.72	176746.28
7	Cost towards Design Report and Detailed Estimate,PMC/Third party								5332731.65
8	Miscllenous and other charges								53327.32
									1394l.03
	Grand Total								5400000.00

Certificate:-

1. That the workspot inspected by me and found work is necessary.
2. That the area comes with in the Bruhat Bangalore Mahanagara Palike Limits.
3. That the rates are adopted based on the PWD SR of 2015-16
4. That the provisions made in the estimate are necessary and quite essential.

Consultant:

For M/s MECADEZ CORE TECHNOLOGIES PVT LTD

Asst. Engineer
Ward No-03
BBMP

AEE
Yelhanka Sub Division
BBMP

Executive Engineer
Yelhanka Division
BBMP